

Atty. Docket No.: P65141US0
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R_1 -GRRRRSVQWCAVSQPEATKCFQWQRMNRKVRGPPVSCIKRDSPIQCIQA- R_1 ,
 R_1 -VYQHOKAMPKPWIQPKTKVIPYVRYL- R_2 , R_1 -ARRARVVWAAVG- R_2 ,
 R_1 -CAVGGGCIAL- R_2 ,
 R_1 -RHTRKYWCROGARGGCITL- R_2 ,

wherein

R_1 , R_2 independently represents NH_2 , an amino acid, or a peptide containing up to 100 amino acids, and

R_3 , R_4 independently represents $COOH$, $CONH_2$, an amino acid, or a peptide containing up to 100 amino acids;

and the amide acetylated, sulfated, phosphorylated, glycosylated, oxidized derivatives or fragments thereof having bifidogenic properties. --

IN THE CLAIMS

Cancel claims 1, 4, and 5, without prejudice or disclaimer, and add the following claims.

6. Peptides obtainable by:

- adding proteases to cow's milk or human milk, followed by incubation for two hours;
- centrifugation to remove milk fat;
- acidification to a pH of 2.0 with strong acids;
- removing the precipitated proteins;
- application of at least one reverse phase HPLC step;